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 1 [Bioinformatics—an introduction for computer scientists](#)

Jacques Cohen

June 2004 Computing Surveys (CSUR) , Volume 36 Issue 2

Publisher: ACM

 Full text available: Pdf (261.56 KB) Additional Information: [full citation](#), [abstract](#), [index term](#)

Bibliometrics: Downloads (6 Weeks): 175, Downloads (12 Months): 1216, Citation

The article aims to introduce computer scientists to the new field of bioinformatics, which arises from the needs of biologists to utilize and help interpret the vast amount of data constantly being gathered in genomic research---and ...

Keywords: DNA, Molecular cell biology, RNA and protein structure, algorithm modeling, computer, dynamic programming, hidden-Markov-models, motif sequences, phylogenetic trees

 2 [SmartKom mobile: intelligent ubiquitous user interaction](#)

Rainer Malaka, Jochen Haeussler, Hidir Aras

January 2004 IUI '04: Proceedings of the 9th international conference on

Publisher: ACM

 Full text available: Pdf (178.24 KB) Additional Information: [full citation](#), [abstract](#), [index term](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 96, Citation

This paper presents SmartKom Mobile, the mobile version of the SmartKom system, which brings together highly advanced user interaction and mobile computing technologies to provide ubiquitous access to multi-domain information. SmartKom ...

Keywords: intelligent assistants, interface agents, natural language processing, ubiquitous interfaces

 3 [Frontmatter \(TOC, Letters, Philosophy of computer science, Interview with ...\)](#)

software requirements creation from folklore to analysis, SW composition, software engineering survey, software engineering survey

September 2005 SIGSOFT Software Engineering Notes , Volume 30 Issue 5

Publisher: ACM

 Full text available: Pdf (1.98 MB) Additional Information: [full citation](#), [index term](#)

Bibliometrics: Downloads (6 Weeks): 30, Downloads (12 Months): 348, Citation

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4 Integration of simultaneous searching and reference linking across the web



William H. Mischo, Thomas G. Habing, Timothy W. Cole

July 2002 JCDL '02: Proceedings of the 2nd ACM/IEEE-CS joint conference

Publisher: ACM

Full text available: Pdf (279.99 KB) Additional Information: [full citation](#), [abstract](#), [n/a](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 72, Citation (

Libraries and information providers are actively developing customized systems designed to integrate secondary information resources such as A & I service publishers full-text repositories. This paper reports ...

Keyw ords: asynchronous simultaneous search, digital library, openURL

5 Proceedings of the 28th international conference on Software engineering



Leon J. Osterweil, Dieter Rombach, Mary Lou Soffa

May 2006 ICSE '06: Proceedings of the 28th international conference on

Publisher: ACM

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation

We welcome you to the Twenty-Eighth International Conference on Software Engineering, Shanghai, China. This is the first instance of the ICSE conference series to be held in China. It is an exciting time and place for ICSE 2006. The conference ...

6 Finding bugs in dynamic web applications



Shay Artzi, Adam Kiezun, Julian Dolby, Frank Tip, Danny Dig, Amit Paradkar

July 2008 ISSSTA '08: Proceedings of the 2008 international symposium on

analysis

Publisher: ACM

Full text available: Pdf (390.81 KB) Additional Information: [full citation](#), [abstract](#), [n/a](#)

Bibliometrics: Downloads (6 Weeks): 39, Downloads (12 Months): 240, Citation

Web script crashes and malformed dynamically-generated Web pages are a serious impact on the usability of Web applications. Current tools for Web page analysis find the dynamically-generated pages that are ubiquitous on today's ...

Keyw ords: dynamic analysis, php, software testing, web applications

7 Proceedings of the 2006 international workshop on Software quality



Sunita Chulani, Barry Boehm, June Verner, Bernard Wong

May 2006 WoSQ '06: Proceedings of the 2006 international workshop on S

Publisher: ACM

Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation

8 A semantic approach to approximate service retrieval

Eran Toch, Avigdor Gal, Iris Reinhartz-Berger, Dov Dori



November 2007 Transactions on Internet Technology (TOIT) , Volume 8

Publisher: ACM

Full text available: Pdf (1.79 MB)

Additional Information: full citation, abstract, r

Bibliometrics: Downloads (6 Weeks): 27, Downloads (12 Months): 483, Citatio

Web service discovery is one of the main applications of semantic Web : standard Web services with semantic annotations. Current discovery sol context of automatic service composition. Thus, the "client" ...

Keywords: Web service, ontology, semantic web, service retrieval

9 Survey of graph database models



Renzo Angles, Claudio Gutierrez

February 2008 Computing Surveys (CSUR) , Volume 40 Issue 1

Publisher: ACM

Full text available: Pdf (1.59 MB)

Additional Information: full citation, abstract, r

Bibliometrics: Downloads (6 Weeks): 192, Downloads (12 Months): 2557, Cita

Graph database models can be defined as those in which data structure are modeled as graphs or generalizations of them, and data manipulat oriented operations and type constructors. These models ...

Keywords: Database systems, database models, graph database mode integrity constraints, graph query languages

10 Image annotations by combining multiple evidence & wordNet



Yohan Jin, Latifur Khan, Lei Wang, Mamoun Awad

November 2005 MULTIMEDIA '05: Proceedings of the 13th annual ACM int Multimedia

Publisher: ACM

Full text available: Pdf (224.86 KB)

Additional Information: full citation, abstract, r

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 240, Citatio

The development of technology generates huge amounts of non-textual An efficient image annotation and retrieval system is highly desired. Clu possible to represent visual features of images with ...

Keyw ords: Dempster-Shafer rule, corel dataset, image annotation, ser

11 A gentle introduction to bilateral filtering and its applications



Sylvain Paris

August 2007 SIGGRAPH '07: SIGGRAPH 2007 courses

Publisher: ACM

Full text available: Mov (100:20 MIN), Pdf (27.35 MB) Additional Information: full cit

Bibliometrics: Downloads (6 Weeks): 53, Downloads (12 Months): 598, Citatio

- Image-based modeling and photo editing *Oh et al.* ACM SIGGRAPH co for Computing Machinery, Inc. Reprinted by permission. <http://doi.acm>.

Fast bilateral filtering for the display of high-dynamic-range ...

12 [Proceedings of the 2006 international workshop on Early aspects at](#)

 Paul C. Clements


May 2006 EA '06: Proceedings of the 2006 international workshop on Early

Publisher: ACM

Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citatio

13 [Proceedings of the 2008 ACM symposium on Applied computing](#)

 Roger L. Wainwright, Hisham M. Haddad

March 2008 SAC '08: Proceedings of the 2008 ACM symposium on Applied


Publisher: ACM

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citatio

Welcome to the 23rd Annual ACM Symposium on Applied Computing (S event is dedicated to computer scientists, engineers, and practitioners s various areas of computer applications. This year, the conference ...

14 [Information systems frontiers](#)

 Jagdish Chandra, Salvatore T. March, Satyen Mukherjee, Willi Pape, R. Ram Waddoups

January 2000 Communications of the ACM , Volume 43 Issue 1

Publisher: ACM

Full text available:  [Html](#) (41.07 KB),  [Pdf](#) (1.70 MB) Additional Information: [full citation](#)


Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 79, Citation (

15 [Server-centric Web frameworks: An overview](#)

 Iwan Vosioo, Derrick G. Kourie

April 2008 Computing Surveys (CSUR) , Volume 40 Issue 2

Publisher: ACM

Full text available:  [Pdf](#) (254.93 KB) Additional Information: [full citation](#), [abstract](#), [a](#)

Bibliometrics: Downloads (6 Weeks): 175, Downloads (12 Months): 1996, Cita

Most contemporary Web frameworks may be classified as server-centric frameworks is presented. It is based on information gleaned from surve frameworks, as well as from popular related specifications. ...

Keyw ords: Architecture, specification techniques, user interfaces, web

16 [Journal of Computing Sciences in Colleges: Volume 22 Issue 3](#)


January 2007 Journal of Computing Sciences in Colleges

Publisher: Consortium for Computing Sciences in Colleges

Additional Information: [full citation](#), [index terms](#)


Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citatio

17 [A³TV: anytime, anywhere and by anyone TV](#)

 Felipe Soares de Oliveira, Carlos Eduardo C. F. Batista, Guido Lemos de So

October 2008 MindTrek '08: Proceedings of the 12th international conference on pervasive computing in the ubiquitous era

Publisher: ACM

Full text available:  Pdf (1.22 MB)

Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 40, Citation

The cultural paradigm we experience today is absolutely different from all its formats were created: Internet and all its functionalities have impacted broadcast services nowadays are, also, not the ...


Keywords: collaborative work, communication systems, social TV

18 [Stacked-widget visualization of scheduling-based algorithms](#)

 Tony Bernardin, Brian C. Budge, Bernd Hamann

September 2008 SoftVis '08: Proceedings of the 4th ACM symposium on Software visualization

Publisher: ACM

Full text available:  Pdf (1.48 MB)


Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 29, Citation

We present a visualization system to assist designers of scheduling-based algorithms. Our system facilitates the understanding and improving of the effectiveness of visual widgets that effectively correlate the ...


Keywords: data visualization, information visualization, out-of-core memory

19 [The IBM data warehouse architecture](#)

 Charles Bontempo, George Zagelow

September 1998 Communications of the ACM , Volume 41 Issue 9


Publisher: ACM

Full text available:  Pdf (817.29 KB)

Additional Information: [full citation](#), [references](#)


Bibliometrics: Downloads (6 Weeks): 30, Downloads (12 Months): 475, Citation

20 [Ray tracing deformable scenes using dynamic bounding volume hierarchies](#)

 Ingo Wald, Solomon Boulos, Peter Shirley

January 2007 Transactions on Graphics (TOG) , Volume 26 Issue 1

Publisher: ACM

Full text available:  Pdf (4.61 MB)

Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 35, Downloads (12 Months): 432, Citation

The most significant deficiency of most of today's interactive ray tracers is the lack of dynamic static walkthroughs. This restriction is due to the static nature of the acceleration structures. While the best reported frame rates for static ...

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